

IN THE CLAIMS:

Please amend claims 4 and 5 as shown below, in which added terms are indicated with underscoring and/or deleted terms are indicated with strikethrough. Also, please add new claims 14-17 as shown below.

1. (Original) A land mobile satellite communication system comprising:
at least one communication satellite station;
a plurality of portable communication terminals for communicating with each other through a communication link to be formed to include said at least one communication satellite station; and
a plurality of mobile repeater stations mounted on mobiles located on the earth for repeating a communication in said communication link formed between said portable communication terminals and including said at least one communication satellite station.
2. (Original) The land mobile satellite communication system as claimed in claim 1 including,
a plurality of said communication satellite stations respectively mounted on a plurality of low earth communication satellites and each said station including a means for communicating with other said stations through inter-satellite links.
3. (Original) The land mobile satellite communication system as claimed in claim 2, wherein:
said mobile repeater stations include a means for communicating with said communication satellite stations by using a carrier wave of higher frequency than a frequency of a carrier wave to be used for communicating with said portable communication terminals.
4. (Currently amended) The A land mobile-satellite communication system ~~as claimed in claim 2~~ wherein comprising:
a plurality of said communication satellite stations respectively mounted on a plurality of low earth communication satellites and each said station including a means for communicating with other said stations through inter-satellite links;
a plurality of portable communication terminals for communicating with each other

through a communication link to be formed to include said communication satellite stations; and
a plurality of mobile repeater stations mounted on mobiles located on the earth for
repeating a communication in said communication link formed between said portable
communication terminals and including said communication satellite stations;

said portable communication terminals include a means for transmitting a position signal repeatedly, said position signal including an identification code of the portable communication terminals and a test pattern;

said mobile repeater stations include a means for transmitting a repeated position signal to said communication satellite stations by adding a self identification code to said position signal received from said portable communication terminals; and

91 said communication satellite stations include a means for selecting one of said mobile repeater stations which transmits said repeated position signal including the test pattern having a highest quality to be a mobile repeater station for the portable communication terminals.

5. The land mobile satellite communication system as claimed in claims 3, wherein comprising:

a plurality of said communication satellite stations respectively mounted on a plurality of
low earth communication satellites and each said station including a means for communicating
with other said stations through inter-satellite links;

a plurality of portable communication terminals for communicating with each other
through a communication link to be formed to include said communication satellite stations; and
a plurality of mobile repeater stations mounted on mobiles located on the earth for
repeating a communication in said communication link formed between said portable
communication terminals and including said communication satellite stations;

said mobile repeater stations include a means for communicating with said
communication satellite stations by using a carrier wave of higher frequency than a frequency of
a carrier wave to be used for communicating with said portable communication terminals;

said portable communication terminals include a means for transmitting a position signal approximately periodically, said position signal including an identification code of the portable communication terminals and a test pattern;

said mobile repeater stations including a means for transmitting a repeated position signal to said communication satellite stations by adding a self identification code to said position signal received from said portable communication terminals; and

said communication satellite stations include a means for selecting one of said mobile repeater stations which transmits said repeated position signal including the test pattern having a highest quality to be a mobile repeater station for the portable communication terminals.

6. (Original) The land mobile satellite communication system as claimed in claim 2, wherein:

said portable communication terminals include a means for communicating with said mobile repeater stations as well as with conventional land mobile communication systems.

7. (Original) The land mobile satellite communication system as claimed in claim 2, wherein:

said mobile repeater stations include a means for converting at least one of frequency and modulation for communication by changing software to allow communication with conventional land mobile communication systems.

8. (Original) The land mobile satellite communication system as claimed in claim 2, wherein:

said communication satellite stations include a means for transmitting information about their own position; and

said mobile repeater stations include means for aiming an antenna beam thereof at the communication satellites according to received information about the position of the communication satellites and a detected position of the mobile repeater stations.

9. (Original) The land mobile satellite communication system as claimed in claim 3, wherein:

said communication satellite stations include a means for transmitting information about their own position; and

said mobile repeater stations include means for aiming an antenna beam thereof at the communication satellites according to received information about the position of the communication satellites and a detected position of the mobile repeater stations.

10. (Original) The land mobile satellite communication system as claimed in claim 2, wherein:

said communication satellite stations include a means for functioning as a Peering points or Proxies to provide accessibility to conventional land mobile telephone systems or Internet.

11. (Original) The land mobile satellite communication system as claimed in claim 2, wherein:
said communication satellite stations include a means for storing data received from said portable communication terminals and for functioning as servers.

12. (Original) The land mobile satellite communication system as claimed in claim 2, wherein:
said mobile repeater stations include a means for responding to a request from said communication satellite stations and / or portable communication terminals and for functioning as providers.

91 13. (Original) The land mobile satellite communication system as claimed in claim 1, wherein:
said mobile repeater stations include a means for communicating with said at least one communication satellite station by using a carrier wave of higher frequency than a frequency of a carrier wave to be used for communicating with said portable communication terminals.

14. (New) The land mobile satellite communication system as claimed in claim 1, wherein: said mobiles are vehicles.

15. (New) The land mobile satellite communication system as claimed in claim 14, wherein:
power supplies of said vehicles provide power to said mobile repeater stations.

16. (New) The land mobile satellite communication system as claimed in claim 1, wherein: said mobile repeater stations include high frequency plane antennas.

17. (New) The land mobile satellite communication system as claimed in claim 1, wherein:
communications between the portable communication terminals and the mobile repeater stations use S or near S frequency band ranging from 1-10 Ghz, and communications between the low earth communication satellite station and the mobile repeater stations use high frequency Ku band.